

Discussion items for eRD3/6 meeting at Temple Univ. May 20 - 21

- 1) Each group defines future project interests and present their goals
- 2) Discuss impact on detector design from
 - a. Detector performance requirements
 - b. Machine backgrounds, e.g., synchrotron radiation in forward trackers; RF shielding
 - c. Material budget
 - d. Jet physics
 - e. PID (RICH) – track matching
 - f. Electronics, DAQ -> continuous readout
 - g. Calorimetry
 - h. Vertex tracker
- 3) Discuss possible guidance from R&D results to machine groups
- 4) Discuss priorities for detector R&D
 - a. Decision tree
 - b. Fill tree with open questions
 - c. Strategy how to address open questions
- 5) Address proposals for ACM in July, please also have a look at
<https://wiki.bnl.gov/conferences/images/2/2e/ProposalGuidelines-5.2017.pdf>

Schedule:**May 20 2 PM – 3:10 PM:**

2:00 – 2:10	BNL	Future project interests/goals
2:10 – 2:20	INFN	"
2:20 – 2:30	Stony Brook	"
2:30 – 2:40	Yale	"
2:40 – 2:50	Temple	"
2:50 – 3:00	UVa	"
3:00 – 3:10	Florida Tech	"

3:10 PM – 6 PM: Impact on detector design from

3:10 – 4:30	Elke/Alexander/Yulia	Detector performance requirements
4:30 – 5:30	Elke/Yulia	Machine backgrounds (eRHIC/JLEIC)
5:30 – 6:00	All	Material budget

6 PM: Dinner downtown Philadelphia**May 21 9 AM – 12 PM: Impact on detector design from**

9:00 – 9:30	Elke	Jet physics
9:30 – 10:00	Silvia	PID (RICH) – track matching
10:00 – 10:45	Tonko	Electronics, DAQ -> continuous readout
10:45 – 11:00		Coffee break
11:00 – 11:30	Oleg	Calorimetry
11:30 – 12:00	Leo	Vertex tracker

Noon – 1 PM: Lunch**1 PM – 5:30 PM:**

1:00 – 2:00	All	Guidance from R&D results to machine groups
2:00 – 3:00	All	Priorities for detector R&D Decision tree
3:00 – 4:00	All	Priorities for detector R&D Open questions
4:00 – 4:15		Coffee break
4:15 – 5:30	All	Proposals for ACM in July

Regarding 2) f./g./h.: Tonko Ljubicic, Oleg Tsai, and Leo Greiner kindly agreed to dial in.

Yulia Furletova (JLEIC representative) kindly agreed to attend our meeting.